

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_9				
Comment Code					
Inspector Comment					
RD 1500 has their O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	55
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1500_01_s _ 2013_55				
Comment Code					
Inspector Comment					
RD 1500 maintains a stockpile of flood response material.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	61
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD1500_01_s_2013_61				
Comment Code					
Inspector Comment					
RD 1500 is current with it's flood response plans and training.					

No Photos

LM Start	0.07	Rating **	M	Issue No.	137
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		38.761077 °	38.761077 °	
			-121.675851 °	-121.675851 °	
DWR ID	DWR_RD1500_01_f_2016_137				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs on landside slope.					

Photo 1 of 2 : SP_2018_RD1500_189_137_20180329_00241.jpg



View of tree over the landside slope. Spring 2018.

LM Start	0.07	Rating **	M	Issue No.	137 (cont)
LM End	0.07	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2018_RD1500_189_137_20180306_00072.jpg



A tree on landside slope needs trimming. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	0.25	Rating **	A/W	Issue No.	101
LM End	0.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762385 °	38.762385 °
				-121.678428 °	-121.678428 °
DWR ID	DWR_RD1500_01_f_2017_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single hole on landside slope. Recommend monitoring due to high rodent activity in area.					

No Photos

LM Start	0.26	Rating **	M	Issue No.	155
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762584 °	38.762584 °
				-121.678542 °	-121.678542 °
DWR ID	DWR_RD1500_01_s_2017_155				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_155_20180306_00079.jpg



View of rodent holes on landside slope. Spring 2017.

LM Start	0.29	Rating **	M	Issue No.	152
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762945 °	38.762945 °
				-121.678812 °	-121.678812 °
DWR ID	DWR_RD1500_01_f_2017_152				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_152_20180306_00078.jpg



View of rodent holes on landside slope. Spring 2017.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	0.32	Rating **	M	Issue No.	135
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.763265 °	38.763265 °
				-121.679075 °	-121.679075 °
DWR ID	DWR_RD1500_01_f_2016_135				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole halfway down landside slope.					

Photo 1 of 2 : SP_2018_RD1500_189_135_20180306_00070.jpg



Update view of hole on landside slope. Fall 2017.

LM Start	0.32	Rating **	M	Issue No.	135 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2018_RD1500_189_135_20180306_00071.jpg



Rodent activity on LS slope. Fall 2016.

LM Start	0.34	Rating **	M	Issue No.	151	
LM End	0.34	Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			38.763473 °	38.763473 °	
				-121.679300 °	-121.679300 °	
DWR ID	DWR_RD1500_01_s_2017_151					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 1 of 1 : SP_2018_RD1500_189_151_20180306_00077.jpg



View of rodent holes on landside slope. Spring 2017.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	0.56	Rating **	A/W	Issue No.	72 (cont)
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.764462 °	38.764638 °
				-121.683167 °	-121.687690 °
DWR ID	DWR_RD1500_01_s_2018_72				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 2 of 2 : SP_2018_RD1500_189_72_20180306_00040.jpg



Sign is located at the toe of the levee on the waterward side. Spring 2016.

LM Start	1.10	Rating **	M	Issue No.	100
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.767407 °	38.767407 °
				-121.691589 °	-121.691589 °
DWR ID	DWR_RD1500_01_s_2018_100				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple holes on landside slope ad berm.					

Photo 1 of 1 : SP_2018_RD1500_189_100_20180306_00051.jpg



View of hole on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	1.25	Rating **	M	Issue No.	99
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.769274 °	38.769274 °
				-121.691700 °	-121.691700 °
DWR ID	DWR_RD1500_01_f_2017_99				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Multiple rodent holes and mounds on landside slope.					

LM Start	1.25	Rating **	M	Issue No.	99 (cont)
LM End	1.25	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2018_RD1500_189_99_20180329_00240.jpg



Updated view of rodent holes. Spring 2018

Photo 2 of 2 : SP_2018_RD1500_189_99_20180306_00050.jpg



View of holes and mounds on landside slope. Fall 2017.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	1.34	Rating **	A/W	Issue No.	6
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.770390 °	38.777282 °
				-121.690553 °	-121.685841 °
DWR ID	DWR_RD1500_01_s_2016_6				
Comment Code					
Inspector Comment					
2006 - New erosion upstream, new bank failures near levee but still fairly wide berm in most places. 2008 - Large berm, questionable as to if it should remain in the inventory. 2010 - Minor new erosion, old cobble starting to fail. 2011 - Cobble continues to unravel and additional slumping. 2012 - Minor new erosion at bank mid point. 2013 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_86-3_L]					

Photo 1 of 1 : SP_2018_RD1500_189_6_20180306_00006.jpg



USACE 2013 Photo #1

LM Start	2.30	Rating **	A/W	Issue No.	2
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.781962 °	38.784936 °
				-121.688033 °	-121.690033 °
DWR ID	DWR_RD1500_01_s_2016_2				
Comment Code					
Inspector Comment					
2010 - The upstream end of the repair site at 87.0. Repair did not extend far enough upstream. 2011 - New erosion pockets. 2012 - Minor new erosion at toe. 2013 - Minor new erosion. 2015: Significant new toe erosion. [2015 Site ID: SAC_87-1_L]					

Photo 1 of 1 : SP_2018_RD1500_189_2_20180306_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	3.09	Rating **	M	Issue No.	129
LM End	3.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.791178 °	38.791178 °
				-121.685668 °	-121.685668 °
DWR ID	DWR_RD1500_01_s_2018_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large tree trunk on the levee toe.					

No Photos

LM Start	3.92	Rating **	C	Issue No.	94
LM End	3.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.797393 °	38.797393 °
				-121.695448 °	-121.695448 °
DWR ID	DWR_RD1500_01_f_2017_94				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

LM Start	4.36	Rating **	A/W	Issue No.	93
LM End	4.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.803021 °	38.803021 °
				-121.698634 °	-121.698634 °
DWR ID	DWR_RD1500_01_f_2017_93				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Single hole less than 6" next to orchard found on landside slope. Recommend monitoring due to surrounding rodent activity.					

Photo 1 of 1 : SP_2018_RD1500_189_93_20180306_00047.jpg



View of hole on landside slope. Fall 2017.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	4.50	Rating **	M	Issue No.	127
LM End	4.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.803759 °	38.803759 °
				-121.701127 °	-121.701127 °
DWR ID	DWR_RD1500_01_s_2018_127				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.06	Rating **	C	Issue No.	103
LM End	7.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.822787 °	38.822787 °
				-121.722791 °	-121.722791 °
DWR ID	DWR_RD1500_01_f_2017_103				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	7.15	Rating **	M	Issue No.	217
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.824119 °	38.824119 °
				-121.722776 °	-121.722776 °
DWR ID	DWR_RD1500_01_s_2018_217				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_217_20180306_00082.jpg



View of the trees on the landward side of the levee looking upstream. Spring 2016.

LM Start	8.33	Rating **	A/W	Issue No.	3
LM End	8.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.839546 °	38.840347 °
				-121.729591 °	-121.726857 °
DWR ID	DWR_RD1500_01_s_2016_3				
Comment Code					
Inspector Comment					
1997 - Damage to cobble revetment on top left bank and toe damage. 2004 - Site is pretty minor. 2010 - Cobbles continue to deteriorate. 2011 - Minor new erosion at the toe. 2013 - Might be able to shorten due to deposition. 2015: Site shortened, downstream end has plenty of berm and deposited material, well vegetated. [2015 Site ID: SAC_92-8_L]					

Photo 1 of 1 : SP_2018_RD1500_189_3_20180306_00003.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.45	Rating **	A/W	Issue No.	114
LM End	11.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.868577 °	38.868577 °
				-121.746487 °	-121.746487 °
DWR ID	DWR_RD1500_01_f_2015_114				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
The previous stairs in the photos have been filled in, but the slope remains an active access ramp. Recommend monitoring.					

Photo 1 of 3 : SP_2018_RD1500_189_114_20180306_00058.jpg



Perspective view of the concrete box on the landward side of the levee looking upstream. Fall 2015.

LM Start	11.45	Rating **	A/W	Issue No.	114 (cont)
LM End	11.45	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2018_RD1500_189_114_20180306_00059.jpg



There is erosion at the levee toe around the concrete box. There are also stairs leading down the slope. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.45	Rating **	A/W	Issue No.	114 (cont)	
LM End	11.45	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.868577 °		38.868577 °
				-121.746487 °		-121.746487 °
DWR ID	DWR_RD1500_01_f_2015_114					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
The previous stairs in the photos have been filled in, but the slope remains an active access ramp. Recommend monitoring.						

Photo 3 of 3 : SP_2018_RD1500_189_114_20180306_00060.jpg



There is slight erosion on the waterward side of the levee where the pipe seems to run through the levee. Fall 2015.

LM Start	11.80	Rating **	A/W	Issue No.	19
LM End	11.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.871853 °	38.870581 °
				-121.749330 °	-121.752059 °
DWR ID	DWR_RD1500_01_s_2016_19				
Comment Code					
Inspector Comment					
1997 - No toe on the large upstream rubble (mix of broken concrete, bricks, rock, and steal) - should be replaced. Oversized bank. 2001 - New slump at the downstream end. 2003 - Some minor bank retreat at the downstream end. 2004 - Some new retreat at the downstream end. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Minor new erosion. 2011 - Minor new erosion at the toe. 2015: Fresh slumping. [2015 Site ID: SAC_95-8_L]					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	11.99	Rating **	A/W	Issue No.	1
LM End	12.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.870474 °	38.869139 °
				-121.752237 °	-121.757108 °
DWR ID	DWR_RD1500_01_s_2016_1				
Comment Code					
Inspector Comment					
2000 - Vertical Modesto Formation bank with mass failure. 2003 - Upstream end has some new bank retreat. 2004 - Upstream end is worse. 2006 - Some new erosion, mainly on the steep slope and scarps. (Pumping station is not part of the erosion site.) 2010 - Some new erosion and deposition at upstream end, definite encroachments. 2011 - Minor new erosion at the toe. 2015: Site removed, sufficient berm width. [2015 Site ID: SAC_96-2_L]					

Photo 1 of 1 : SP_2018_RD1500_189_1_20180306_00001.jpg



USACE 2013 Photo #1

LM Start	12.01	Rating **	A/W	Issue No.	116
LM End	12.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.870730 °	38.870730 °
				-121.752908 °	-121.752908 °
DWR ID	DWR_RD1500_01_s_2017_116				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on landside levee slope.					

Photo 1 of 1 : SP_2018_RD1500_189_116_20180306_00061.jpg



View of erosion on landside slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2573
LM End	12.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.867254 °	38.867254 °
				-121.761212 °	-121.761212 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50197
DS_ID:20063
EP_NO: 10061
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 08/29/2016 Same as last inspection. (K. Fazel - UCIP)01/10/2014 Needs proper abandonment. (P. Amatya - DWR)
FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. Installed by USACE in 1944. (18-inch corrugated metal gravity drainage pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Roger L. Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 12.69)].
FS Date: 8/29/2016

LM Start	12.55	Rating **	M	Issue No.	2573 (cont)
LM End	12.55	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_50197_52425.jpg



WS view: slide gate (left) in concrete box at levee toe. Slide gate and the box mostly buried.

Photo 2 of 3 : UCIP_SP_2018_50197_52424.jpg



LS view: concrete intake box on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	12.55	Rating **	M	Issue No.	2573 (cont)	
LM End	12.55	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.867254 °	38.867254 °	
				-121.761212 °	-121.761212 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50197 DS_ID:20063 EP_NO: 10061 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 08/29/2016 Same as last inspection. (K. Fazel - UCIP)01/10/2014 Needs proper abandonment. (P. Amatya - DWR) FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Slide gate in a 4-foot by 4-foot concrete box at the waterside (WS) toe. Concrete box at the landside (LS) toe. Pipe crosses overflow area to the river. Installed by USACE in 1944. (18-inch corrugated metal gravity drainage pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10061, 1974 - Roger L. Matteoli). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 128, March 1960, (HLM 12.69)]. FS Date: 8/29/2016						

Photo 3 of 3 : UCIP_SP_2018_50197_52423.jpg



LS view: silted CMP in concrete intake box on levee toe.

LM Start	12.57	Rating **	M	Issue No.	118
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.867108 °	38.867108 °
				-121.761498 °	-121.761498 °
DWR ID	DWR_RD1500_01_f_2015_118				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_118_20180306_00063.jpg



View of the erosion on the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	13.98	Rating **	A/W	Issue No.	10
LM End	14.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.857239 °	38.861899 °
				-121.783771 °	-121.784057 °
DWR ID	DWR_RD1500_01_s_2016_10				
Comment Code					
Inspector Comment					
1997 - Intermittent toe failure of the hand placed riprap; failure of toe materials. 2015: No observed changes. [2015 Site ID: SAC_99-0_L]					

Photo 1 of 1 : SP_2018_RD1500_189_10_20180306_00011.jpg



USACE 2013 Photo #1

LM Start	15.73	Rating **	A/W	Issue No.	2575
LM End	15.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.871595 °	38.871595 °
				-121.803648 °	-121.803648 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50196 DS_ID:20011 EP_NO: 9337 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity irrigation pipe through the levee, 16 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate on a concrete U-shaped headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (24-inch corrugated metal gravity irrigation pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss [permit missing]). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 128, March 1960, (HLM 15.89)]. FS Date: 8/29/2016					

Photo 1 of 3 : UCIP_SP_2018_50196_52467.jpg



WS view: CMP riser with slide gate on levee slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.871595 °	38.871595 °
				-121.803648 °	-121.803648 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50196
DS_ID:20011
EP_NO: 9337
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 08/29/2016 As it currently stands, there is no connection to the river, as, according to LMA, this pipe is used for irrigation of WS fields. (K. Fazel - UCIP)01/10/2014 No pipe found on river bank. (P. Amatya - DWR)
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity irrigation pipe through the levee, 16 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Slide gate on a concrete U-shaped headwall at the landside (LS) toe. Per LMA, water is pumped into the LS canal via a LS pump upstream of the crossing. Water then flows through the CMP crossing by gravity for irrigation of WS fields. Permit is forthcoming with Dave Burrows of Winsept Farms as the applicant. (24-inch corrugated metal gravity irrigation pipe through the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 9337, 1973 - Clauss [permit missing]). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 128, March 1960, (HLM 15.89)].
FS Date: 8/29/2016

LM Start	15.73	Rating **	A/W	Issue No.	2575 (cont)
LM End	15.73	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2018_50196_52466.jpg



WS view: inside view of CMP riser with slide gate.

Photo 3 of 3 : UCIP_SP_2018_50196_52465.jpg



LS view: CMP outlet with slide gate and U type headwall on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	18.38	Rating **	A/W	Issue No.	13
LM End	19.06	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.901337 °	38.902721 °
				-121.801175 °	-121.790677 °
DWR ID	DWR_RD1500_01_s_2016_13				
Comment Code					
Inspector Comment					
1997 - Pocket failures of cobble revetment toe; scallops of rock loss along the bank; irregular bankline developing. 2001 - Small scallops in the toe of the berm. 2005 - Still multiple erosion pockets in the toe. 2006 - Two new small slumps. 2011 - Old cobble continue to fail causing minor slumping. 2012 - Portions of site appears to be stabilizing. 2015: No observed changes. [2015 Site ID: SAC_104-0_L]					

Photo 1 of 1 : SP_2018_RD1500_189_13_20180306_00013.jpg



USACE 2013 Photo #1

LM Start	19.16	Rating **	A/W	Issue No.	5
LM End	19.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.904041 °	38.906697 °
				-121.790298 °	-121.792796 °
DWR ID	DWR_RD1500_01_s_2016_5				
Comment Code					
Inspector Comment					
1997 - Cobbles eroded off the clay materials; not much evidence of erosion on the toe; cobble loss on the toe. 2011 - Some minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_104-5_L]					

Photo 1 of 1 : SP_2018_RD1500_189_5_20180306_00005.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	20.97	Rating **	C	Issue No.	105
LM End	20.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.910850 °	38.910850 °
				-121.804619 °	-121.804619 °
DWR ID	DWR_RD1500_01_f_2017_105				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole and mound on landside slope.					

No Photos

LM Start	21.74	Rating **	M	Issue No.	115
LM End	21.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.916128 °	38.916341 °
				-121.811819 °	-121.813644 °
DWR ID	DWR_RD1500_01_s_2018_115				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	24.34	Rating **	M	Issue No.	97
LM End	24.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.938784 °	38.938784 °
				-121.829405 °	-121.829405 °
DWR ID	DWR_RD1500_01_f_2017_97				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	24.38	Rating **	M	Issue No.	102
LM End	28.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.939302 °	38.981677 °
				-121.829548 °	-121.820030 °
DWR ID	DWR_RD1500_01_s_2018_102				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	24.97	Rating **	M	Issue No.	111
LM End	25.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.945672 °	38.946358 °
				-121.835993 °	-121.835819 °
DWR ID	DWR_RD1500_01_s_2018_111				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	28.18	Rating **	M	Issue No.	95
LM End	31.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.982460 °	39.006748 °
				-121.819955 °	-121.814709 °
DWR ID	DWR_RD1500_01_s_2018_95				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_95_20180329_00232.jpg



View of vegetation on the waterside slope. Spring 2018

LM Start	30.60	Rating **	A/W	Issue No.	22
LM End	30.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.999745 °	39.001413 °
				-121.800898 °	-121.802889 °
DWR ID	DWR_RD1500_01_s_2016_22				
Comment Code					
Inspector Comment					
2000 - Eroding, vertical berm slope over a vertical cohesive toe; slow erosion but getting close to the toe. 2002 - Erosion is getting close to the levee, still eroding with some new small slumps. 2004 - Some minor new erosion. 2006 - Some new erosion, cleaned off older scars and slump faces. 2008 - New, small, partial rotational failure. 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_116-0_L]					

Photo 1 of 1 : SP_2018_RD1500_189_22_20180306_00020.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	30.94	Rating **	A/W	Issue No.	15
LM End	31.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
Item				Start	End
	2015 USACE Erosion Survey, DRAFT		39.003301 °	39.006072 °	
			-121.805024 °	-121.815926 °	
DWR ID	DWR_RD1500_01_s_2016_15				
Comment Code					
Inspector Comment					
2003 - New sedimentation and some new small toe scallops at the upstream end; downstream end has some new erosion. 2004 - Some new erosion at the toe and upper bank and some small new rotational failures (mainly minor, except at the downstream end). 2007 - Some new slumps. 2009 - Some new scallops and site was extended upstream. 2010 - New deposition along upstream end of site, however there is also new erosion throughout the site. Site seems to be worsening, and eroding fast. Large habitat for bank swallows. 2011 - Some new minor erosion. 2012 - Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_116-5_L]					

Photo 1 of 1 : SP_2018_RD1500_189_15_20180306_00014.jpg



USACE 2013 Photo #1

LM Start	31.54	Rating **	A/W	Issue No.	86
LM End	31.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.006687 °	39.006687 °
				-121.814967 °	-121.814967 °
DWR ID	DWR_RD1500_01_s_2016_86				
Comment Code					
MW : Monitoring Well					
Inspector Comment					
UCIP installed this monitoring station for seepage in the area. Monitor for vandilism or damagePN: (18630).					

Photo 1 of 2 : SP_2018_RD1500_189_86_20180306_00045.jpg



View of the pizometer on the landward side of the levee. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.15	03/27/2018 03/28/2018	Zach Jojola

LM Start	32.98	Rating **	M	Issue No.	107
LM End	32.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.020874 °	39.020874 °
				-121.820266 °	-121.820266 °
DWR ID	DWR_RD1500_01_f_2016_107				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_107_20180306_00054.jpg



View of rodent burrows on landside slope. Fall 2016.

LM Start	32.99	Rating **	A/W	Issue No.	106
LM End	32.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.021016 °	39.021016 °
				-121.820261 °	-121.820261 °
DWR ID	DWR_RD1500_01_f_2016_106				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_189_106_20180306_00053.jpg



View of erosion site on LS slope of the levee. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	16
LM End	9.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.761838 °	38.895132 °
				-121.673713 °	-121.636992 °
DWR ID	DWR_RD1500_02_s_2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD1500_190_16_20180329_00041.jpg



View of vegetation on the landside slope. Spring 2018.

LM Start	0.13	Rating **	M	Issue No.	39
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.762429 °	38.762429 °
				-121.672924 °	-121.672924 °
DWR ID	DWR_RD1500_02_f_2017_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent hole near landside toe.					

Photo 1 of 1 : SP_2018_RD1500_190_39_20180306_00010.jpg



View of rodent hole on landside slope. Fall 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	0.28	Rating **	M	Issue No.	20
LM End	10.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.763961 °	38.902897 °	
			-121.670960 °	-121.638310 °	
DWR ID	DWR_RD1500_02_s_2018_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.53	Rating **	C	Issue No.	40
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		38.766567 °	38.766567 °	
			-121.667749 °	-121.667749 °	
DWR ID	DWR_RD1500_02_f_2017_40				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	43
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783865 °	38.783865 °
				-121.655170 °	-121.655170 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28886
DS_ID:20020
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 1 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	43 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28886_53098.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2018_28886_53096.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	44
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.783885 °	38.783885 °	
			-121.655158 °	-121.655158 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:28883
 DS_ID:20027
 EP_NO: N/A
 Repair Type: No Action Needed
 Crossing Status: Found
 UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
 FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 2 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].
 FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	44 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28883_53085.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2018_28883_53083.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	45
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °
				-121.655149 °	-121.655149 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28884
DS_ID:20028
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	45 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28884_53089.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2018_28884_53088.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	45 (cont)	
LM End	1.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.783904 °	38.783904 °	
				-121.655149 °	-121.655149 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:28884						
DS_ID:20028						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pumping plat was working during the field visit.Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.						
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 3 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].						
FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_SP_2018_28884_53099.jpg



LS view: pump house at the end of levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.92	Rating **	A/W	Issue No.	46
LM End	1.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.783924 °	38.783924 °
				-121.655140 °	-121.655140 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28885
DS_ID:20029
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plat was working during the field visit. Hydraulic gates on outfall structure. Motorized slide gates on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 3] 4 of 4: 72-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 35 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Timber steps on the LS slope. Two service poles and anchors on the LS shoulder. Electrical control gates in a metal and concrete building on the waterside (WS) shoulder. Flap gates on the WS end. Installed by USACE in 1950. (Construction of a four compartment concrete gravity outlet conduit under the levee authorized under Permit No. 1284, 1948 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1227+00)].
FS Date: 1/21/2014

LM Start	1.92	Rating **	A/W	Issue No.	46 (cont)
LM End	1.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28885_53095.jpg



WS view: CM shed for slide gate on levee shoulder (top) and outfall structure at levee toe (bottom).

Photo 2 of 3 : UCIP_SP_2018_28885_53094.jpg



WS view: motorized slide gates in CM shed on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	47
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784097 °	38.784097 °
				-121.655073 °	-121.655073 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28954
DS_ID:20019
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 1 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)].
FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	47 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28954_53260.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_SP_2018_28954_53259.jpg



WS view: concrete surge structure on waterside shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	48
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784111 °	38.784111 °
				-121.655067 °	-121.655067 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28955
DS_ID:20025
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: USED Bench Mark on concrete structure at levee shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 2 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)].
FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	48 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28955_53265.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_SP_2018_28955_53263.jpg



WS view: concrete surge structure on waterside shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.93	Rating **	A/W	Issue No.	49
LM End	1.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784127 °	38.784127 °
				-121.655057 °	-121.655057 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28956
DS_ID:20026
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: USED Bench Mark on concrete structure at waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 2] 3 of 3: 48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee, 37 feet below the crown. Two concrete cutoff walls. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in borrow pit. Flap gates on the WS end. (48-inch by 48-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 129, June 1954, (Station 1226+00)].
FS Date: 1/21/2014

LM Start	1.93	Rating **	A/W	Issue No.	49 (cont)
LM End	1.93	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28956_53269.jpg



WS view: U type concrete headwall and flap gates on levee toe.

Photo 2 of 3 : UCIP_SP_2018_28956_53268.jpg



WS view: U type concrete headwall and flap gates on levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	50
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784783 °	38.784783 °
				-121.654791 °	-121.654791 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28891
DS_ID:20088
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].
FS Date: 1/21/2014

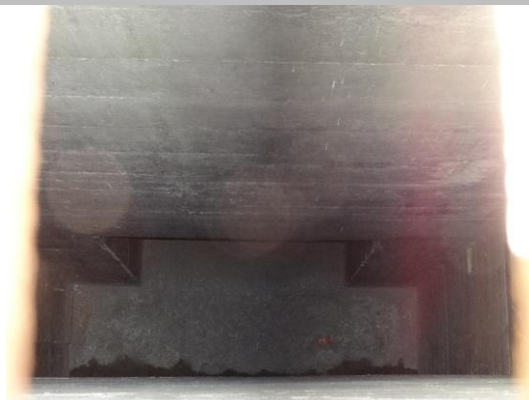
LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)
LM End	1.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28891_53137.jpg



WS view: slide gate in concrete box on levee shoulder.

Photo 2 of 3 : UCIP_SP_2018_28891_53136.jpg



WS view: inside view of concrete box on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	50 (cont)
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784783 °	38.784783 °
				-121.654791 °	-121.654791 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28891
DS_ID:20088
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 1 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].
FS Date: 1/21/2014

Photo 3 of 3 : UCIP_SP_2018_28891_53135.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.98	Rating **	A/W	Issue No.	51
LM End	1.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784818 °	38.784818 °
				-121.654778 °	-121.654778 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28892
DS_ID:20092
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 2 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].
FS Date: 1/21/2014

LM Start	1.98	Rating **	A/W	Issue No.	51 (cont)
LM End	1.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28892_53147.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

Photo 2 of 3 : UCIP_SP_2018_28892_53146.jpg



WS view: slide gate in concrete box on levee shoulder.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.784856 °	38.784856 °
				-121.654762 °	-121.654762 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:28893
DS_ID:20093
EP_NO: 10088
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].
FS Date: 1/21/2014

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_28893_53157.jpg



WS view: slide gate in concrete box on levee shoulder.

Photo 2 of 3 : UCIP_SP_2018_28893_53156.jpg



WS view: inside view of concrete box on levee shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	1.99	Rating **	A/W	Issue No.	52 (cont)	
LM End	1.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.784856 °	38.784856 °	
				-121.654762 °	-121.654762 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:28893						
DS_ID:20093						
EP_NO: 10088						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: Pumping plant was working during the field visit. Three 8.5 ft. X 8.5 ft. concrete box on waterside shoulder.						
FIELD_STRUCT_DESC: [Reclamation District No. 1500, Pumping Plant No. 1] 3 of 3: 84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee, 24 feet below the crown. Pumps in concrete pumping plant on the landside (LS). Slide gates mounted on a concrete structure on the waterside (WS) slope. Discharges in a concrete spillway and the borrow pit. Ramp on the WS slope. (84-inch by 84-inch reinforced concrete box drainage discharge conduit under the levee and all other appurtenances retained under Automatic Board Order (ABO) issued as Permit No. 10088, 1974 - Reclamation District No. 1500). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 129, June 1954, (Station 1224+75), three 78-inch concrete conduits referenced].						
FS Date: 1/21/2014						

Photo 3 of 3 : UCIP_SP_2018_28893_53155.jpg



WS view: outfall structure on levee toe and concrete box on levee shoulder.

LM Start	4.47	Rating **	M	Issue No.	42
LM End	4.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.819837 °	38.819837 °
				-121.663433 °	-121.663433 °
DWR ID	DWR_RD1500_02_f_2017_42				
Comment Code					
DE : Debris					
Inspector Comment					
Refrigerator on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.72	03/28/2018 03/28/2018	Zach Jojola

LM Start	17.85	Rating **	M	Issue No.	21
LM End	20.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.983669 °	39.021232 °
				-121.720995 °	-121.741100 °
DWR ID	DWR_RD1500_02_s_2018_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	17.85	Rating **	M	Issue No.	22
LM End	20.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.983669 °	39.021232 °
				-121.720996 °	-121.741100 °
DWR ID	DWR_RD1500_02_s_2018_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	18.17	Rating **	A/W	Issue No.	13
LM End	18.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			38.987031 °	38.987031 °
				-121.725049 °	-121.725049 °
DWR ID	DWR_RD1500_02_s_2012_13				
Comment Code					
Inspector Comment					

Photo 1 of 2 : SP_2018_RD1500_190_13_20180306_00006.jpg



Two of four drains on the landward side of the levee. Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

